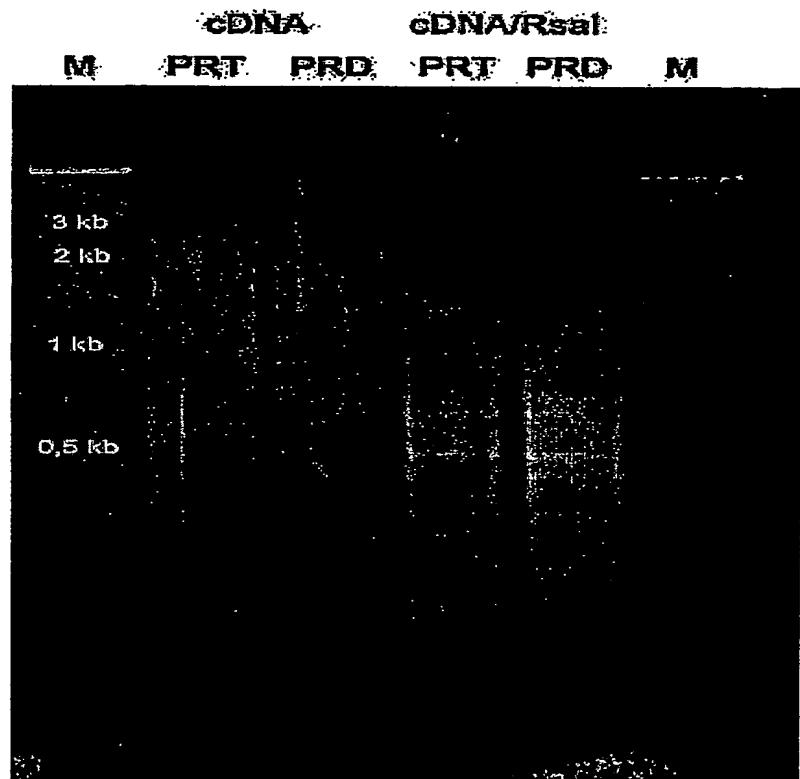


Fig 1

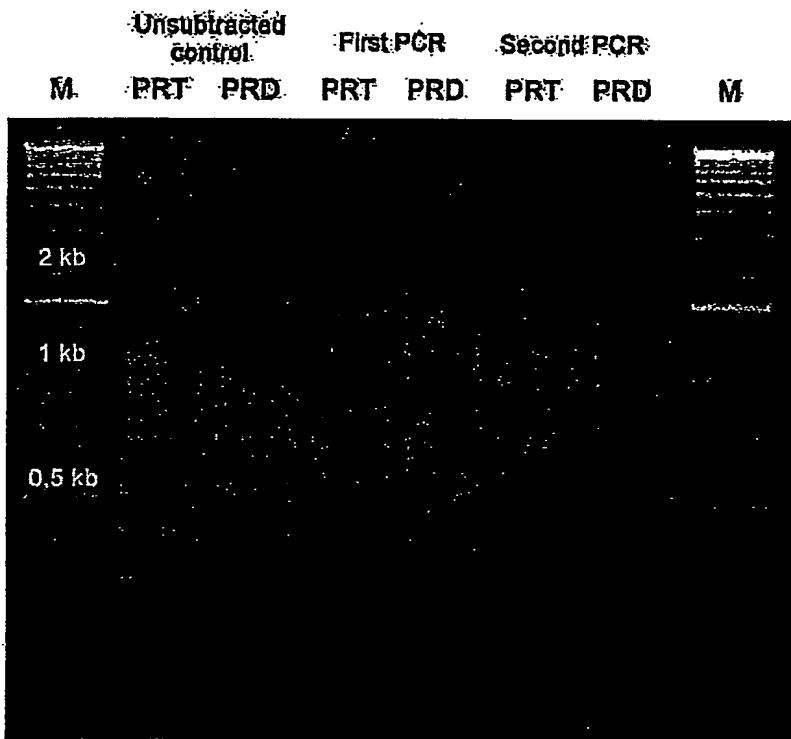
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Fig 2.



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Fig. 3a

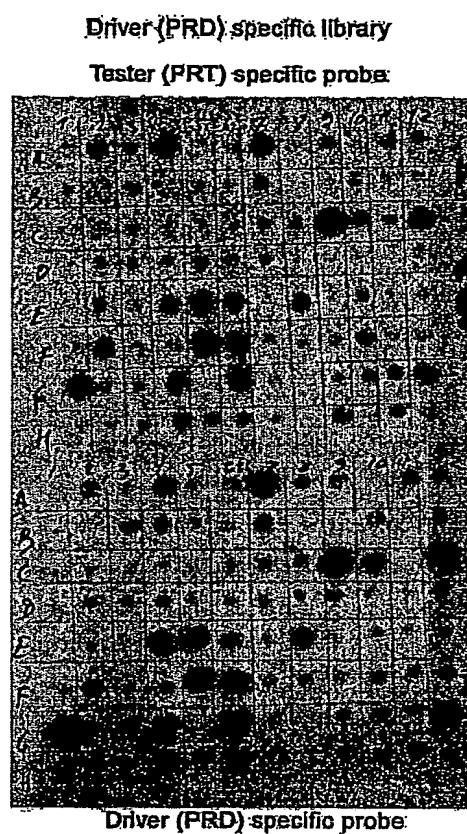
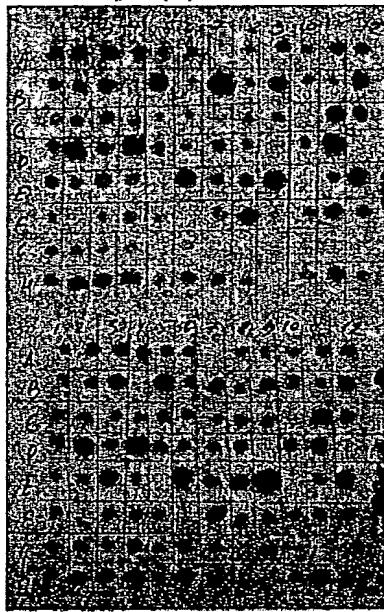


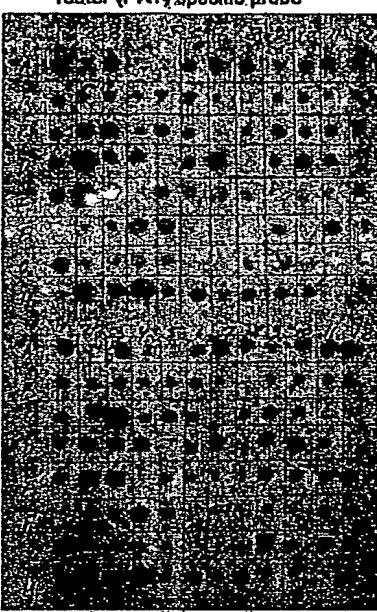
Fig 3b

Tester (PRT) specific library, plate 1
Tester (PRT) specific probe



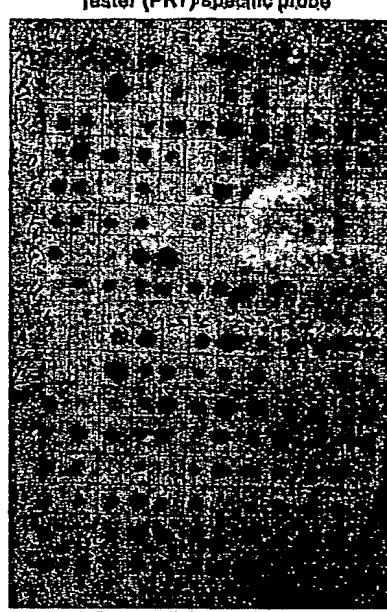
Driver (PRD) specific probe

Tester (PRT) specific library, plate 2
Tester (PRT) specific probe



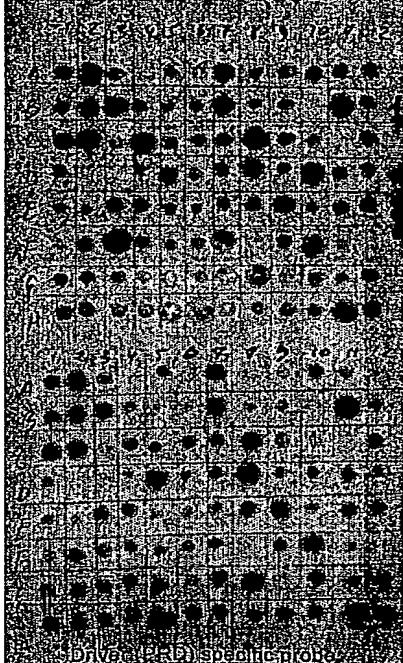
Driver (PRD) specific probe

Tester (PRT) specific library, plate 3
Tester (PRT) specific probe



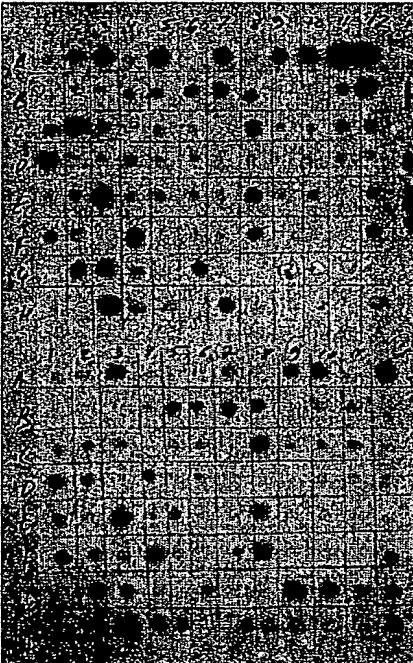
Driver (PRD) specific probe

Tester (PRT) specific library, plate 4
Tester (PRT) specific probe



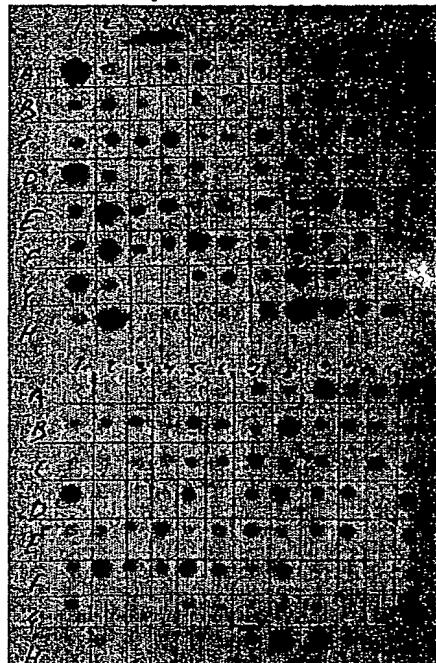
Driver (PRD) specific probe

Tester (PRT) specific library, plate 5
Tester (PRT) specific probe



Driver (PRD) specific probe

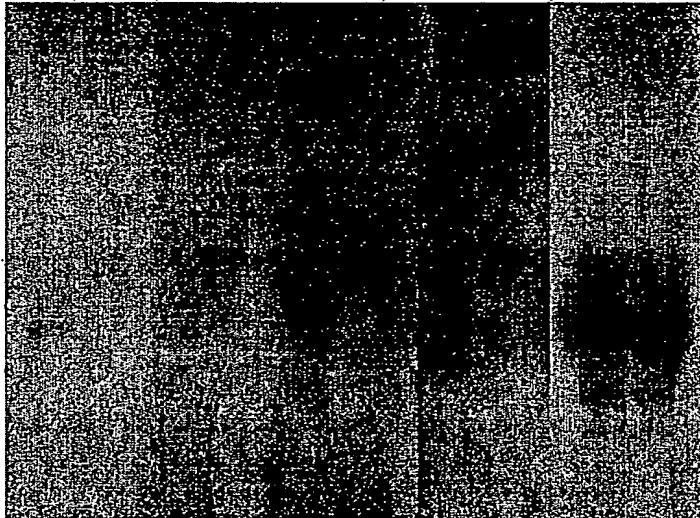
Tester (PRT) specific library, plate 6
Tester (PRT) specific probe



Driver (PRD) specific probe

Fig 4a**Tester (PRT) specific clones**

PRT1-B07	PRT2-D02	PRT6-A01	PRT6-E02	PRT6-H02
PRT PRO				



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Fig 4b

Driver (PRD) specific clones

PRD-B03	PRD-G01	PRD-G12	PRD-H01	PRD-H04
PRT PRD				

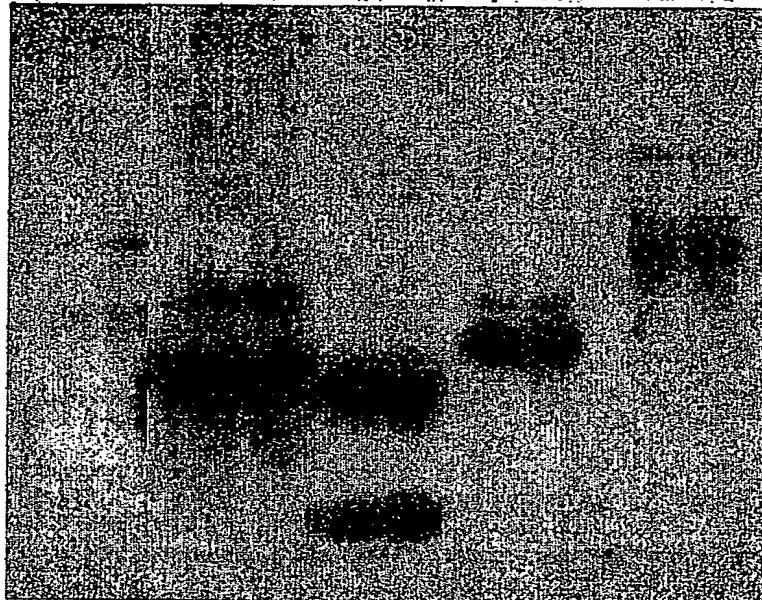


Figure 5

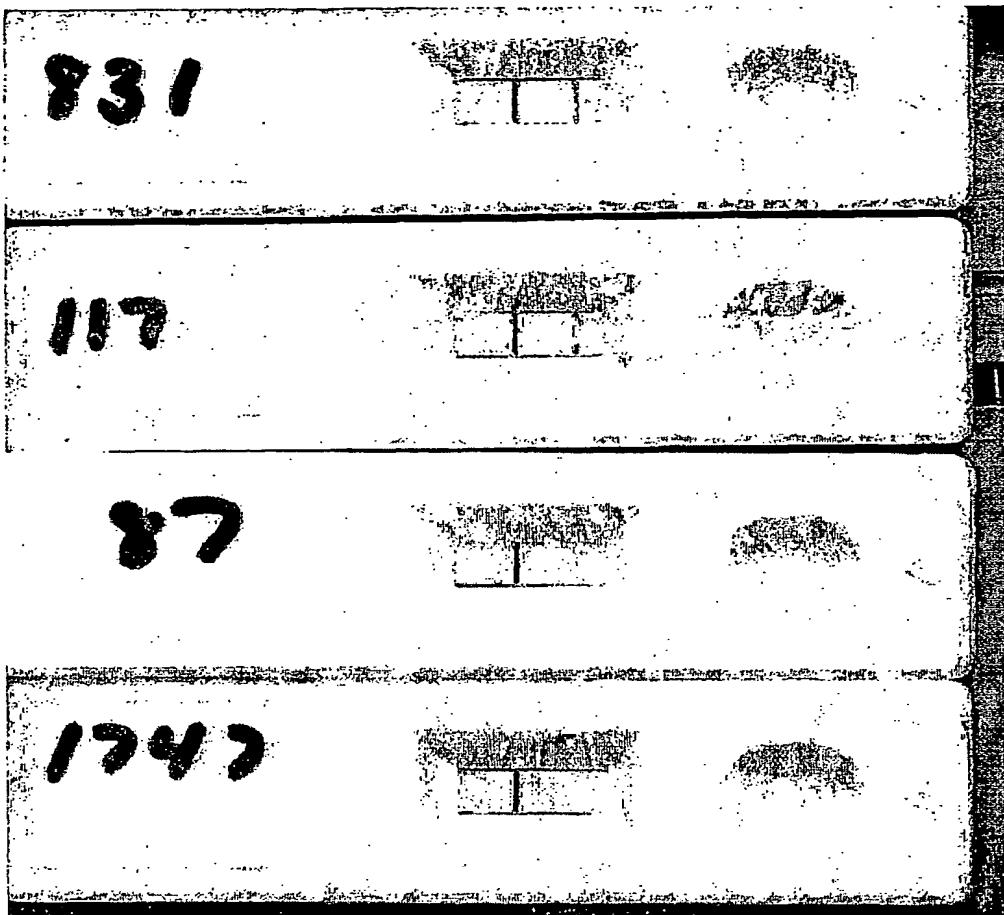


Figure 6

clone name	size, bp	gene bank access #	Regional Identities*	% Identities
PRT1_F08	444	gi 2623777gb AF016546.1	386/400	96
PRT2_C12	378	gi 4503938 ref NM_002053.1	296/353	83
PRT2_E08	477	gi 18088873 gb BC020780.1 BC020780	371/417	88
PRT3_E09	468	gi 20824812 ref XM_131957.1	25/25	100
PRT3_F09	395	gi 15 emb X69084.1 BTB2MIT	205/205	100
PRT3_G09	400	gi 14279649 gb AF272627.1 AF272627	66/77	85
PRT4_A12	371	gi 515 emb X62882.1 BTLECAM1	345/347	99
PRT4_F02	503	gi 9910185 ref NM_020189.1	328/333	98
PRT5_A02	260	gi 12597634 ref NM_022898.1	145/152	95
PRT5_A05	472	gi 162740 gb M63453.1 BOVBG	225/225	100
PRT5_A07	455	gi 73 emb X56649.1 BTANN1	385/405	95
PRT5_D01	480	gi 15930160 gb BC015516.1 BC015516	165/204	80
PRT5_G06	493	gi 7673693 gb AF257235.1	297/321	92
PRT6_A01	501	gi 14279641 gb AF272623.1 AF272623	78/85	91
PRT6_A04	495	gi 608516 gb U16738.1 HSU16738	329/372	88
PRT6_A05	493	gi 8217499 emb AL137141.10 AL137141	396/470	84
PRT6_D02	399	gi 18043587 gb BC012796.2	85/99	85
PRT6_E10	304	gi 336430 gb J01394.1 BOVMT	160/163	98
PRT6_F05	425	gi 542085	488/491	99
PTR6_F08	486	gi 15011695 gb AC091660.2	96/104	92
PRT6_G02	399	gi 20127662 ref NM_016489.9	115/126	91
PRT6_H11	299	gi 17017692 emb AL163512.35 AL163512	22/22	100
PRT6_F07	1172	AF095844	25/284	88
PRT6_G10	762	N/A	N/A	N/A
PRT6_H2	522	OAU00154	173/177	97
UBE1L	3216	N/A	N/A	N/A
ISG15	591	AF152103, U96014, AF069133	591/591	100
1-8U	579	NM_174551	579/579	100
9-27/Leu-13	622	AF272042	622/622	100

*Regional Identities indicates shared identity over a portion of the sequence.